



459347

# Certificate of Analysis

Bottle Type & QA Level: A Level 1  
Description: 2.5 Liter Amber Jug

Lot No.: A3203050  
Date: 7-30-93

## INORGANIC QUALITY ASSURANCE

This Certificate verifies that this lot was cleaned to the recommended EPA wash procedure as set forth in the EPA Statement of Work "Specifications and Guidance For Obtaining Contaminant-Free Sample Containers", and this lot was tested and found to comply with or be lower than the EPA specifications as set forth in the EPA Statement of Work "The Superfund Analytical Method For Low Concentration Water For Inorganic Analysis 10/91", (Document # ILC02.0).

ANALYTE	CONTRACT REQUIRED DETECTION LIMIT (ug/L)
Ag (Silver)	< 10
Al (Aluminum)	< 100
As (Arsenic)	< 0.5
Ba (Barium)	< 20
Be (Beryllium)	< 0.5
Ca (Calcium)	< 500
Cd (Cadmium)	< 1
CN (Cyanide)	< 10
Co (Cobalt)	< 10
Cr (Chromium)	< 10
Cu (Copper)	< 10
F (Fluoride)	< 200
Fe (Iron)	< 100
Hg (Mercury)	< 0.2
K (Potassium)	< 100
Mg (Magnesium)	< 100
Mn (Manganese)	< 10
Na (Sodium)	< 5000
Ni (Nickel)	< 20
Pb (Lead)	< 2
Sb (Antimony)	< 5
Se (Selenium)	< 2
Tl (Thallium)	< 10
V (Vanadium)	< 10
Zn (Zinc)	< 20

IF EPES CAN BE OF ANY FURTHER ASSISTANCE, PLEASE CALL (800) 331-7425 AND ASK FOR OUR TECHNICAL SERVICE DEPARTMENT.

Approved:



**EAGLE EPICHER**  
ENVIRONMENTAL SERVICES

36 B.J. TUNNELL BLVD. • MIAMI, OKLAHOMA 74354-3300 • (800) 331-7425



# Certificate of Analysis

Bottle Type & QA Level: A Level 1  
Description: 2.5 Liter Amber Jug

Lot No.: A3203050  
Date: 7-30-93

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This Certificate verifies that this lot of bottles has been cleaned according to the EPA wash procedure set forth in the EPA Statement of Work "Specifications and Guidance for Obtaining Contaminant-Free Sample Containers" and that this lot has been tested and found to comply with or be lower than the EPA specifications as set forth in the EPA Statement of Work "Superfund Analytical Methods For Low Concentration Water For Organics Analysis 6/91", (Document # OLC02.0).

ANALYTE	CONTRACT REQUIRED QUANTITATION LIMIT (ug/L)
alpha-BHC	< 0.01
beta-BHC	< 0.01
delta-BHC	< 0.01
gamma-BHC (Lindane)	< 0.01
Heptachlor	< 0.01
Aldrin	< 0.01
Heptachlor epoxide	< 0.01
Endosulfan I	< 0.01
Dieldrin	< 0.02
4,4'-DDE	< 0.02
Endrin	< 0.02
Endosulfan II	< 0.02
4,4'-DDD	< 0.02
Endosulfan sulfate	< 0.02
4,4'-DDT	< 0.02
Methoxychlor	< 0.10
Endrin ketone	< 0.02
Endrin aldehyde	< 0.02
alpha-Chlordane	< 0.01
gamma-Chlordane	< 0.01
Toxaphene	< 1.0
Aroclor-1016	< 0.20
Aroclor-1221	< 0.40
Aroclor-1232	< 0.20
Aroclor-1242	< 0.20
Aroclor-1248	< 0.20
Aroclor-1254	< 0.20
Aroclor-1260	< 0.20

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Approved:

*Jul. Shepherd*



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# Certificate of Analysis

Bottle Type & QA Level: A Level 1  
Description: 2.5 Liter Amber Jug

Lot No.: A3203050  
Date: 7-30-93

## SEMIVOLATILES QUALITY ASSURANCE

This Certificate verifies that this lot of bottles has been cleaned according to the EPA wash procedure set forth in the EPA Statement of Work "Specifications and Guidance for Obtaining Contaminant-Free Sample Containers" and that this lot has been tested and found to comply with or be lower than the EPA specifications as set forth in the EPA Statement of Work "Superfund Analytical Methods For Low Concentration Water For Organics Analysis 6/91", (Document # OLC02.0).

ANALYTE	CONTRACT REQUIRED QUANTITATION LIMIT (ug/L)
Phenol	< 5
bis-(2-Chloroethyl)ether	< 5
2-Chlorophenol	< 5
2-Methylphenol	< 5
2,2'-oxybis(1-Chloropropane)	< 5
4-Methylphenol	< 5
N-Nitroso-di-n-propylamine	< 5
Hexachloroethane	< 5
Nitrobenzene	< 5
Isophorone	< 5
2-Nitrophenol	< 5
2,4-Dimethylphenol	< 5
bis-(2-Chloroethoxy)methane	< 5
2,4-Dichlorophenol	< 5
1,2,4-Trichlorobenzene	< 5
Naphthalene	< 5
4-Chloroaniline	< 5
Hexachlorobutadiene	< 5
4-Chloro-3-methylphenol	< 5
2-Methylnaphthalene	< 5
Hexachlorocyclopentadiene	< 5
2,4,6-Trichlorophenol	< 5
2,4,5-Trichlorophenol	< 20
2-Chloronaphthalene	< 5
2-Nitroaniline	< 20
Dimethylphthalate	< 5
Acenaphthylene	< 5
2,6-Dinitrotoluene	< 5
3-Nitroaniline	< 20
Acenaphthene	< 5

ANALYTE	CONTRACT REQUIRED QUANTITATION LIMIT (ug/L)
2,4-Dinitrophenol	< 20
4-Nitrophenol	< 20
Dibenzofuran	< 5
2,4-Dinitrotoluene	< 5
Diethylphthalate	< 5
4-Chlorophenyl-phenylether	< 5
Fluorene	< 5
4-Nitroaniline	< 20
4,6-Dinitro-2-methylphenol	< 20
N-Nitrosodiphenylamine	< 5
4-Bromophenyl-phenylether	< 5
Hexachlorobenzene	< 5
Pentachlorophenol	< 20
Phenanthrene	< 5
Anthracene	< 5
Di-n-butylphthalate	< 5
Fluoranthene	< 5
Pyrene	< 5
Butylbenzylphthalate	< 5
3,3'-Dichlorobenzidine	< 5
Benzo(a)anthracene	< 5
Chrysene	< 5
bis-(2-Ethylhexyl)phthalate	< 5
Di-n-octylphthalate	< 5
Benzo(b)fluoranthene	< 5
Benzo(k)fluoranthene	< 5
Benzo(a)pyrene	< 5
Indeno(1,2,3-cd)pyrene	< 5
Dibenz(a,h)anthracene	< 5
Benzo(g,h,i)perylene	< 5

IF EPES CAN BE OF ANY FURTHER ASSISTANCE, PLEASE CALL (800) 331-7425 AND ASK FOR OUR TECHNICAL SERVICE DEPARTMENT.

Approved: *Jul. Shepherd*



**EAGLE EP PICHER**  
ENVIRONMENTAL SERVICES

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# Certificate of Analysis

Bottle Type & QA Level: C Level 1  
Description: 1 liter White HDPE

Lot No.: C3203080  
Date: 7-28-93

## INORGANIC QUALITY ASSURANCE

This Certificate verifies that this lot was cleaned to the recommended EPA wash procedure as set forth in the EPA Statement of Work "Specifications and Guidance For Obtaining Contaminant-Free Sample Containers", and this lot was tested and found to comply with or be lower than the EPA specifications as set forth in the EPA Statement of Work "The Superfund Analytical Method For Low Concentration Water For Inorganic Analysis 10/91", (Document # 1LC02.0).

ANALYTE	CONTRACT REQUIRED DETECTION LIMIT (ug/L)
Ag (Silver)	< 10
Al (Aluminum)	< 100
As (Arsenic)	< 0.5
Ba (Barium)	< 20
Be (Beryllium)	< 0.5
Ca (Calcium)	< 500
Cd (Cadmium)	< 1
CN (Cyanide)	< 10
Co (Cobalt)	< 10
Cr (Chromium)	< 10
Cu (Copper)	< 10
F (Fluoride)	< 200
Fe (Iron)	< 100
Hg (Mercury)	< 0.2
K (Potassium)	< 100
Mg (Magnesium)	< 100
Mn (Manganese)	< 10
Na (Sodium)	< 100
Ni (Nickel)	< 20
Pb (Lead)	< 2
Sb (Antimony)	< 5
Se (Selenium)	< 2
Tl (Thallium)	< 10
V (Vanadium)	< 10
Zn (Zinc)	< 20

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Approved:

*Jul. Shepherd*



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# Certificate of Analysis

Bottle Type & QA Level: A Level 1  
Description: 2.5 Liter Amber Jug

Lot No.: A3203050  
Date: 7-30-93

## INORGANIC QUALITY ASSURANCE

This Certificate verifies that this lot was cleaned to the recommended EPA wash procedure as set forth in the EPA Statement of Work "Specifications and Guidance For Obtaining Contaminant-Free Sample Containers", and this lot was tested and found to comply with or be lower than the EPA specifications as set forth in the EPA Statement of Work "The Superfund Analytical Method For Low Concentration Water For Inorganic Analysis 10/91", (Document # ILC02.0).

ANALYTE	CONTRACT REQUIRED DETECTION LIMIT (ug/L)
Aq (Silver)	< 10
Al (Aluminum)	< 100
As (Arsenic)	< 0.5
Ba (Barium)	< 20
Be (Beryllium)	< 0.5
Ca (Calcium)	< 500
Cd (Cadmium)	< 1
CN (Cyanide)	< 10
Co (Cobalt)	< 10
Cr (Chromium)	< 10
Cu (Copper)	< 10
F (Fluoride)	< 200
Fe (Iron)	< 100
Hg (Mercury)	< 0.2
K (Potassium)	< 100
Mg (Magnesium)	< 100
Mn (Manganese)	< 10
Na (Sodium)	< 5000
Ni (Nickel)	< 20
Pb (Lead)	< 2
Sb (Antimony)	< 5
Se (Selenium)	< 2
Tl (Thallium)	< 10
V (Vanadium)	< 10
Zn (Zinc)	< 20

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# Certificate of Analysis

Bottle Type & QA Level: A Level 1  
Description: 2.5 Liter Amber Jug

Lot No.: A3203050  
Date: 7-30-93

## PESTICIDES QUALITY ASSURANCE

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ANALYTE	CONTRACT REQUIRED QUANTITATION LIMIT (ug/L)
alpha-BHC	< 0.01
beta-BHC	< 0.01
delta-BHC	< 0.01
gamma-BHC (Lindane)	< 0.01
Heptachlor	< 0.01
Aldrin	< 0.01
Heptachlor epoxide	< 0.01
Endosulfan I	< 0.01
Dieldrin	< 0.02
4,4'-DDE	< 0.02
Endrin	< 0.02
Endosulfan II	< 0.02
4,4'-DDD	< 0.02
Endosulfan sulfate	< 0.02
4,4'-DDT	< 0.02
Methoxychlor	< 0.10
Endrin ketone	< 0.02
Endrin aldehyde	< 0.02
alpha-Chlordane	< 0.01
gamma-Chlordane	< 0.01
Toxaphene	< 1.0
Aroclor-1016	< 0.20
Aroclor-1221	< 0.40
Aroclor-1232	< 0.20
Aroclor-1242	< 0.20
Aroclor-1248	< 0.20
Aroclor-1254	< 0.20
Aroclor-1260	< 0.20

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# Certificate of Analysis

Bottle Type & QA Level: A Level 1  
Description: 2.5 Liter Amber Jug

Lot No.: A3203050  
Date: 7-30-93

## SEMIVOLATILES QUALITY ASSURANCE

This Certificate verifies that this lot of bottles has been cleaned according to the EPA wash procedure set forth in the EPA Statement of Work "Specifications and Guidance for Obtaining Contaminant-Free Sample Containers" and that this lot has been tested and found to comply with or be lower than the EPA specifications as set forth in the EPA Statement of Work "Superfund Analytical Methods For Low Concentration Water For Organics Analysis 6/91", (Document # OLC02.0).

ANALYTE	CONTRACT REQUIRED QUANTITATION LIMIT (ug/L)
Phenol	< 5
bis-(2-Chloroethyl)ether	< 5
2-Chlorophenol	< 5
2-Methylphenol	< 5
2,2'-oxybis(1-Chloropropane)	< 5
4-Methylphenol	< 5
N-Nitroso-di-n-propylamine	< 5
Hexachloroethane	< 5
Nitrobenzene	< 5
Isophorone	< 5
2-Nitrophenol	< 5
2,4-Dimethylphenol	< 5
bis-(2-Chloroethoxy)methane	< 5
2,4-Dichlorophenol	< 5
1,2,4-Trichlorobenzene	< 5
Naphthalene	< 5
4-Chloroaniline	< 5
Hexachlorobutadiene	< 5
4-Chloro-3-methylphenol	< 5
2-Methylnaphthalene	< 5
Hexachlorocyclopentadiene	< 5
2,4,6-Trichlorophenol	< 5
2,4,5-Trichlorophenol	< 20
2-Chloronaphthalene	< 5
2-Nitroaniline	< 20
Dimethylphthalate	< 5
Acenaphthylene	< 5
2,6-Dinitrotoluene	< 5
3-Nitroaniline	< 20
Acenaphthene	< 5

ANALYTE	CONTRACT REQUIRED QUANTITATION LIMIT (ug/L)
2,4-Dinitrophenol	< 20
4-Nitrophenol	< 20
Dibenzofuran	< 5
2,4-Dinitrotoluene	< 5
Diethylphthalate	< 5
4-Chlorophenyl-phenylether	< 5
Fluorene	< 5
4-Nitroaniline	< 20
4,6-Dinitro-2-methylphenol	< 20
N-Nitrosodiphenylamine	< 5
4-Bromophenyl-phenylether	< 5
Hexachlorobenzene	< 5
Pentachlorophenol	< 20
Phenanthrene	< 5
Anthracene	< 5
Di-n-butylphthalate	< 5
Fluoranthene	< 5
Pyrene	< 5
Butylbenzylphthalate	< 5
3,3'-Dichlorobenzidine	< 5
Benzo(a)anthracene	< 5
Chrysene	< 5
bis-(2-Ethylhexyl)phthalate	< 5
Di-n-octylphthalate	< 5
Benzo(b)fluoranthene	< 5
Benzo(k)fluoranthene	< 5
Benzo(a)pyrene	< 5
Indeno(1,2,3-cd)pyrene	< 5
Dibenz(a,h)anthracene	< 5
Benzo(g,h,i)perylene	< 5

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ENVIRONMENTAL SERVICES

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*Amber*

# Certificate of Analysis

Bottle Type & QA Level: A Level 1  
Description: 2.5 Liter Amber Jug

Lot No.: A3203050  
Date: 7-30-93

## INORGANIC QUALITY ASSURANCE

This Certificate verifies that this lot was cleaned to the recommended EPA wash procedure as set forth in the EPA Statement of Work "Specifications and Guidance For Obtaining Contaminant-Free Sample Containers", and this lot was tested and found to comply with or be lower than the EPA specifications as set forth in the EPA Statement of Work "The Superfund Analytical Method For Low Concentration Water For Inorganic Analysis 10/91", (Document # ILC02.0).

ANALYTE	CONTRACT REQUIRED DETECTION LIMIT (ug/L)
Aq (Silver)	< 10
Al (Aluminum)	< 100
As (Arsenic)	< 0.5
Ba (Barium)	< 20
Be (Beryllium)	< 0.5
Ca (Calcium)	< 500
Cd (Cadmium)	< 1
CN (Cyanide)	< 10
Co (Cobalt)	< 10
Cr (Chromium)	< 10
Cu (Copper)	< 10
F (Fluoride)	< 200
Fe (Iron)	< 100
Hg (Mercury)	< 0.2
K (Potassium)	< 100
Mg (Magnesium)	< 100
Mn (Manganese)	< 10
Na (Sodium)	< 5000
Ni (Nickel)	< 20
Pb (Lead)	< 2
Sb (Antimony)	< 5
Se (Selenium)	< 2
Tl (Thallium)	< 10
V (Vanadium)	< 10
Zn (Zinc)	< 20

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# Certificate of Analysis

Bottle Type & QA Level: A Level 1  
Description: 2.5 Liter Amber Jug

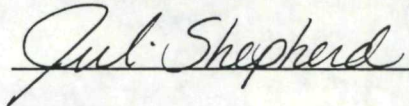
Lot No.: A3203050  
Date: 7-30-93

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ANALYTE	CONTRACT REQUIRED QUANTITATION LIMIT (ug/L)
alpha-BHC	< 0.01
beta-BHC	< 0.01
delta-BHC	< 0.01
gamma-BHC (Lindane)	< 0.01
Heptachlor	< 0.01
Aldrin	< 0.01
Heptachlor epoxide	< 0.01
Endosulfan I	< 0.01
Dieldrin	< 0.02
4,4'-DDE	< 0.02
Endrin	< 0.02
Endosulfan II	< 0.02
4,4'-DDD	< 0.02
Endosulfan sulfate	< 0.02
4,4'-DDT	< 0.02
Methoxychlor	< 0.10
Endrin ketone	< 0.02
Endrin aldehyde	< 0.02
alpha-Chlordane	< 0.01
gamma-Chlordane	< 0.01
Toxaphene	< 1.0
Aroclor-1016	< 0.20
Aroclor-1221	< 0.40
Aroclor-1232	< 0.20
Aroclor-1242	< 0.20
Aroclor-1248	< 0.20
Aroclor-1254	< 0.20
Aroclor-1260	< 0.20

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# Certificate of Analysis

Bottle Type & QA Level: A Level 1  
Description: 2.5 Liter Amber Jug

Lot No.: A3203050  
Date: 7-30-93

## SEMIVOLATILES QUALITY ASSURANCE

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ANALYTE	CONTRACT REQUIRED QUANTITATION LIMIT (ug/L)
Phenol	< 5
bis-(2-Chloroethyl)ether	< 5
2-Chlorophenol	< 5
2-Methylphenol	< 5
2,2'-oxybis(1-Chloropropane)	< 5
4-Methylphenol	< 5
N-Nitroso-di-n-propylamine	< 5
Hexachloroethane	< 5
Nitrobenzene	< 5
Isophorone	< 5
2-Nitrophenol	< 5
2,4-Dimethylphenol	< 5
bis-(2-Chloroethoxy)methane	< 5
2,4-Dichlorophenol	< 5
1,2,4-Trichlorobenzene	< 5
Naphthalene	< 5
4-Chloroaniline	< 5
Hexachlorobutadiene	< 5
4-Chloro-3-methylphenol	< 5
2-Methylnaphthalene	< 5
Hexachlorocyclopentadiene	< 5
2,4,6-Trichlorophenol	< 5
2,4,5-Trichlorophenol	< 20
2-Chloronaphthalene	< 5
2-Nitroaniline	< 20
Dimethylphthalate	< 5
Acenaphthylene	< 5
2,6-Dinitrotoluene	< 5
3-Nitroaniline	< 20
Acenaphthene	< 5

ANALYTE	CONTRACT REQUIRED QUANTITATION LIMIT (ug/L)
2,4-Dinitrophenol	< 20
4-Nitrophenol	< 20
Dibenzofuran	< 5
2,4-Dinitrotoluene	< 5
Diethylphthalate	< 5
4-Chlorophenyl-phenylether	< 5
Fluorene	< 5
4-Nitroaniline	< 20
4,6-Dinitro-2-methylphenol	< 20
N-Nitrosodiphenylamine	< 5
4-Bromophenyl-phenylether	< 5
Hexachlorobenzene	< 5
Pentachlorophenol	< 20
Phenanthrene	< 5
Anthracene	< 5
Di-n-butylphthalate	< 5
Fluoranthene	< 5
Pyrene	< 5
Butylbenzylphthalate	< 5
3,3'-Dichlorobenzidine	< 5
Benzo(a)anthracene	< 5
Chrysene	< 5
bis-(2-Ethylhexyl)phthalate	< 5
Di-n-octylphthalate	< 5
Benzo(b)fluoranthene	< 5
Benzo(k)fluoranthene	< 5
Benzo(a)pyrene	< 5
Indeno(1,2,3-cd)pyrene	< 5
Dibenz(a,h)anthracene	< 5
Benzo(g,h,i)perylene	< 5

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Approved: *Jul. Shepherd*



**EAGLE EP PICHER**  
ENVIRONMENTAL SERVICES

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# Certificate of Analysis

Bottle Type & QA Level: G Level 1  
Description: 120 mL. Clear W.M.

Lot No.: G3200050  
Date: 7-28-93

## INORGANIC QUALITY ASSURANCE

This Certificate verifies that this lot was cleaned to the recommended EPA wash procedure as set forth in the EPA Statement of Work "Specifications and Guidance For Obtaining Contaminant-Free Sample Containers", and this lot was tested and found to comply with or be lower than the EPA specifications as set forth in the EPA Statement of Work "The Superfund Analytical Method For Low Concentration Water For Inorganic Analysis 10/91", (Document # ILC02.0).

ANALYTE	CONTRACT REQUIRED DETECTION LIMIT (ug/L)
Ag (Silver)	< 10
Al (Aluminum)	< 100
As (Arsenic)	< 0.5
Ba (Barium)	< 20
Be (Beryllium)	< 0.5
Ca (Calcium)	< 500
Cd (Cadmium)	< 1
CN (Cyanide)	< 10
Co (Cobalt)	< 10
Cr (Chromium)	< 10
Cu (Copper)	< 10
F (Fluoride)	< 200
Fe (Iron)	< 100
Hg (Mercury)	< 0.2
K (Potassium)	< 100
Mg (Magnesium)	< 100
Mn (Manganese)	< 10
Na (Sodium)	< 5000
Ni (Nickel)	< 20
Pb (Lead)	< 2
Sb (Antimony)	< 5
Se (Selenium)	< 2
Tl (Thallium)	< 10
V (Vanadium)	< 10
Zn (Zinc)	< 20

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# Certificate of Analysis

Bottle Type & QA Level: G Level 1  
Description: 120 mL. Clear W.M.

Lot No.: G3200050  
Date: 7-28-93

## PESTICIDES QUALITY ASSURANCE

This Certificate verifies that this lot of bottles has been cleaned according to the EPA wash procedure set forth in the EPA Statement of Work "Specifications and Guidance for Obtaining Contaminant-Free Sample Containers" and that this lot has been tested and found to comply with or be lower than the EPA specifications as set forth in the EPA Statement of Work "Superfund Analytical Methods For Low Concentration Water For Organics Analysis 6/91", (Document # OLC02.0).

ANALYTE	CONTRACT REQUIRED QUANTITATION LIMIT (ug/L)
alpha-BHC	< 0.01
beta-BHC	< 0.01
delta-BHC	< 0.01
gamma-BHC (Lindane)	< 0.01
Heptachlor	< 0.01
Aldrin	< 0.01
Heptachlor epoxide	< 0.01
Endosulfan I	< 0.01
Dieldrin	< 0.02
4,4'-DDE	< 0.02
Endrin	< 0.02
Endosulfan II	< 0.02
4,4'-DDD	< 0.02
Endosulfan sulfate	< 0.02
4,4'-DDT	< 0.02
Methoxychlor	< 0.10
Endrin ketone	< 0.02
Endrin aldehyde	< 0.02
alpha-Chlordane	< 0.01
gamma-Chlordane	< 0.01
Toxaphene	< 1.0
Aroclor-1016	< 0.20
Aroclor-1221	< 0.40
Aroclor-1232	< 0.20
Aroclor-1242	< 0.20
Aroclor-1248	< 0.20
Aroclor-1254	< 0.20
Aroclor-1260	< 0.20

IF EPES CAN BE OF ANY FURTHER ASSISTANCE, PLEASE CALL (800) 331-7425 AND ASK FOR OUR TECHNICAL SERVICE DEPARTMENT.

Approved:  

**EAGLE EP PITCHER**  
**ENVIRONMENTAL SERVICES**

36 B.J. TUNNELL BLVD. • MIAMI, OKLAHOMA 74354-3300 • (800) 331-7425



# Certificate of Analysis

Bottle Type & QA Level: G Level 1  
Description: 120 mL. Clear W.M.

Lot No.: G3200050  
Date: 7-28-93

## SEMIVOLATILES QUALITY ASSURANCE

This Certificate verifies that this lot of bottles has been cleaned according to the EPA wash procedure set forth in the EPA Statement of Work "Specifications and Guidance for Obtaining Contaminant-Free Sample Containers" and that this lot has been tested and found to comply with or be lower than the EPA specifications as set forth in the EPA Statement of Work "Superfund Analytical Methods For Low Concentration Water For Organics Analysis 6/91", (Document # OLC02.0).

ANALYTE	CONTRACT REQUIRED QUANTITATION LIMIT (ug/L)
Phenol	< 5
bis-(2-Chloroethyl)ether	< 5
2-Chlorophenol	< 5
2-Methylphenol	< 5
2,2'-oxybis(1-Chloropropane)	< 5
4-Methylphenol	< 5
N-Nitroso-di-n-propylamine	< 5
Hexachloroethane	< 5
Nitrobenzene	< 5
Isophorone	< 5
2-Nitrophenol	< 5
2,4-Dimethylphenol	< 5
bis-(2-Chloroethoxy)methane	< 5
2,4-Dichlorophenol	< 5
1,2,4-Trichlorobenzene	< 5
Naphthalene	< 5
4-Chloroaniline	< 5
Hexachlorobutadiene	< 5
4-Chloro-3-methylphenol	< 5
2-Methylnaphthalene	< 5
Hexachlorocyclopentadiene	< 5
2,4,6-Trichlorophenol	< 5
2,4,5-Trichlorophenol	< 20
2-Chloronaphthalene	< 5
2-Nitroaniline	< 20
Dimethylphthalate	< 5
Acenaphthylene	< 5
2,6-Dinitrotoluene	< 5
3-Nitroaniline	< 20
Acenaphthene	< 5

ANALYTE	CONTRACT REQUIRED QUANTITATION LIMIT (ug/L)
2,4-Dinitrophenol	< 20
4-Nitrophenol	< 20
Dibenzofuran	< 5
2,4-Dinitrotoluene	< 5
Diethylphthalate	< 5
4-Chlorophenyl-phenylether	< 5
Fluorene	< 5
4-Nitroaniline	< 20
4,6-Dinitro-2-methylphenol	< 20
N-Nitrosodiphenylamine	< 5
4-Bromophenyl-phenylether	< 5
Hexachlorobenzene	< 5
Pentachlorophenol	< 20
Phenanthrene	< 5
Anthracene	< 5
Di-n-butylphthalate	< 5
Fluoranthene	< 5
Pyrene	< 5
Butylbenzylphthalate	< 5
3,3'-Dichlorobenzidine	< 5
Benzo(a)anthracene	< 5
Chrysene	< 5
bis-(2-Ethylhexyl)phthalate	< 5
Di-n-octylphthalate	< 5
Benzo(b)fluoranthene	< 5
Benzo(k)fluoranthene	< 5
Benzo(a)pyrene	< 5
Indeno(1,2,3-cd)pyrene	< 5
Dibenz(a,h)anthracene	< 5
Benzo(g,h,i)perylene	< 5

IF EPES CAN BE OF ANY FURTHER ASSISTANCE, PLEASE CALL (800) 331-7425 AND ASK FOR OUR TECHNICAL SERVICE DEPARTMENT.

Approved:

*Jul. Shepherd*



**EAGLE EP PICHER**

**ENVIRONMENTAL SERVICES**

36 B.J. TUNNELL BLVD. • MIAMI, OKLAHOMA 74354-3300 • (800) 331-7425



# Certificate of Analysis

Bottle Type & QA Level: F Level 1  
Description: 250 mL. Clear W.M.

Lot No.: F3186030  
Date: 7-13-93

## INORGANIC QUALITY ASSURANCE

This Certificate verifies that this lot was cleaned to the recommended EPA wash procedure as set forth in the EPA Statement of Work "Specifications and Guidance For Obtaining Contaminant-Free Sample Containers", and this lot was tested and found to comply with or be lower than the EPA specifications as set forth in the EPA Statement of Work "The Superfund Analytical Method For Low Concentration Water For Inorganic Analysis 10/91", (Document # ILC02.0).

ANALYTE	CONTRACT REQUIRED DETECTION LIMIT (ug/L)
Ag (Silver)	< 10
Al (Aluminum)	< 100
As (Arsenic)	< 0.5
Ba (Barium)	< 20
Be (Beryllium)	< 0.5
Ca (Calcium)	< 500
Cd (Cadmium)	< 1
CN (Cyanide)	< 10
Co (Cobalt)	< 10
Cr (Chromium)	< 10
Cu (Copper)	< 10
F (Fluoride)	< 200
Fe (Iron)	< 100
Hg (Mercury)	< 0.2
K (Potassium)	< 100
Mg (Magnesium)	< 100
Mn (Manganese)	< 10
Na (Sodium)	< 5000
Ni (Nickel)	< 20
Pb (Lead)	< 2
Sb (Antimony)	< 5
Se (Selenium)	< 2
Tl (Thallium)	< 10
V (Vanadium)	< 10
Zn (Zinc)	< 20

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Approved:

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# Certificate of Analysis

Bottle Type & QA Level: F Level 1  
Description: 250 mL. Clear W.M.

Lot No.: F3186030  
Date: 7-13-93

## PESTICIDES QUALITY ASSURANCE

This Certificate verifies that this lot of bottles has been cleaned according to the EPA wash procedure set forth in the EPA Statement of Work "Specifications and Guidance for Obtaining Contaminant-Free Sample Containers" and that this lot has been tested and found to comply with or be lower than the EPA specifications as set forth in the EPA Statement of Work "Superfund Analytical Methods For Low Concentration Water For Organics Analysis 6/91", (Document # OLC02.0).

ANALYTE	CONTRACT REQUIRED QUANTITATION LIMIT (ug/L)
alpha-BHC	< 0.01
beta-BHC	< 0.01
delta-BHC	< 0.01
gamma-BHC (Lindane)	< 0.01
Heptachlor	< 0.01
Aldrin	< 0.01
Heptachlor epoxide	< 0.01
Endosulfan I	< 0.01
Dieldrin	< 0.02
4,4'-DDE	< 0.02
Endrin	< 0.02
Endosulfan II	< 0.02
4,4'-DDD	< 0.02
Endosulfan sulfate	< 0.02
4,4'-DDT	< 0.02
Methoxychlor	< 0.10
Endrin ketone	< 0.02
Endrin aldehyde	< 0.02
alpha-Chlordane	< 0.01
gamma-Chlordane	< 0.01
Toxaphene	< 1.0
Aroclor-1016	< 0.20
Aroclor-1221	< 0.40
Aroclor-1232	< 0.20
Aroclor-1242	< 0.20
Aroclor-1248	< 0.20
Aroclor-1254	< 0.20
Aroclor-1260	< 0.20

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Approved:

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# Certificate of Analysis

Bottle Type & QA Level: F Level 1  
Description: 250 mL. Clear W.M.

Lot No.: F3186030  
Date: 7-13-93

## SEMIVOLATILES QUALITY ASSURANCE

This Certificate verifies that this lot of bottles has been cleaned according to the EPA wash procedure set forth in the EPA Statement of Work "Specifications and Guidance for Obtaining Contaminant-Free Sample Containers" and that this lot has been tested and found to comply with or be lower than the EPA specifications as set forth in the EPA Statement of Work "Superfund Analytical Methods For Low Concentration Water For Organics Analysis 6/91", (Document # OLC02.0).

ANALYTE	CONTRACT REQUIRED QUANTITATION LIMIT (ug/L)
Phenol	< 5
bis-(2-Chloroethyl)ether	< 5
2-Chlorophenol	< 5
2-Methylphenol	< 5
2,2'-oxybis(1-Chloropropane)	< 5
4-Methylphenol	< 5
N-Nitroso-di-n-propylamine	< 5
Hexachloroethane	< 5
Nitrobenzene	< 5
Isophorone	< 5
2-Nitrophenol	< 5
2,4-Dimethylphenol	< 5
bis-(2-Chloroethoxy)methane	< 5
2,4-Dichlorophenol	< 5
1,2,4-Trichlorobenzene	< 5
Naphthalene	< 5
4-Chloroaniline	< 5
Hexachlorobutadiene	< 5
4-Chloro-3-methylphenol	< 5
2-Methylnaphthalene	< 5
Hexachlorocyclopentadiene	< 5
2,4,6-Trichlorophenol	< 5
2,4,5-Trichlorophenol	< 20
2-Chloronaphthalene	< 5
2-Nitroaniline	< 20
Dimethylphthalate	< 5
Acenaphthylene	< 5
2,6-Dinitrotoluene	< 5
3-Nitroaniline	< 20
Acenaphthene	< 5

ANALYTE	CONTRACT REQUIRED QUANTITATION LIMIT (ug/L)
2,4-Dinitrophenol	< 20
4-Nitrophenol	< 20
Dibenzofuran	< 5
2,4-Dinitrotoluene	< 5
Diethylphthalate	< 5
4-Chlorophenyl-phenylether	< 5
Fluorene	< 5
4-Nitroaniline	< 20
4,6-Dinitro-2-methylphenol	< 20
N-Nitrosodiphenylamine	< 5
4-Bromophenyl-phenylether	< 5
Hexachlorobenzene	< 5
Pentachlorophenol	< 20
Phenanthrene	< 5
Anthracene	< 5
Di-n-butylphthalate	< 5
Fluoranthene	< 5
Pyrene	< 5
Butylbenzylphthalate	< 5
3,3'-Dichlorobenzidine	< 5
Benzo(a)anthracene	< 5
Chrysene	< 5
bis-(2-Ethylhexyl)phthalate	< 5
Di-n-octylphthalate	< 5
Benzo(b)fluoranthene	< 5
Benzo(k)fluoranthene	< 5
Benzo(a)pyrene	< 5
Indeno(1,2,3-cd)pyrene	< 5
Dibenz(a,h)anthracene	< 5
Benzo(g,h,i)perylene	< 5

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Approved:

*Jul. Shepherd* 

**EAGLE EP PICHER**  
**ENVIRONMENTAL SERVICES**

36 B.J. TUNNELL BLVD. • MIAMI, OKLAHOMA 74354-3300 • (800) 331-7425



# Certificate of Analysis

Bottle Type & QA Level: F Level 1  
Description: 250 mL. Clear W.M.

Lot No.: F3186030  
Date: 7-13-93

## INORGANIC QUALITY ASSURANCE

This Certificate verifies that this lot was cleaned to the recommended EPA wash procedure as set forth in the EPA Statement of Work "Specifications and Guidance For Obtaining Contaminant-Free Sample Containers", and this lot was tested and found to comply with or be lower than the EPA specifications as set forth in the EPA Statement of Work "The Superfund Analytical Method For Low Concentration Water For Inorganic Analysis 10/91", (Document # ILC02.0).

ANALYTE	CONTRACT REQUIRED DETECTION LIMIT (ug/L)
Ag (Silver)	< 10
Al (Aluminum)	< 100
As (Arsenic)	< 0.5
Ba (Barium)	< 20
Be (Beryllium)	< 0.5
Ca (Calcium)	< 500
Cd (Cadmium)	< 1
CN (Cyanide)	< 10
Co (Cobalt)	< 10
Cr (Chromium)	< 10
Cu (Copper)	< 10
F (Fluoride)	< 200
Fe (Iron)	< 100
Hg (Mercury)	< 0.2
K (Potassium)	< 100
Mg (Magnesium)	< 100
Mn (Manganese)	< 10
Na (Sodium)	< 5000
Ni (Nickel)	< 20
Pb (Lead)	< 2
Sb (Antimony)	< 5
Se (Selenium)	< 2
Tl (Thallium)	< 10
V (Vanadium)	< 10
Zn (Zinc)	< 20

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Approved:

*Jul. Shepherd*



**EAGLE  Picher**  
**ENVIRONMENTAL SERVICES**

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# Certificate of Analysis

Bottle Type & QA Level: F Level 1  
Description: 250 mL. Clear W.M.

Lot No.: F3186030  
Date: 7-13-93

## PESTICIDES QUALITY ASSURANCE

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ANALYTE	CONTRACT REQUIRED QUANTITATION LIMIT (ug/L)
alpha-BHC	< 0.01
beta-BHC	< 0.01
delta-BHC	< 0.01
gamma-BHC (Lindane)	< 0.01
Heptachlor	< 0.01
Aldrin	< 0.01
Heptachlor epoxide	< 0.01
Endosulfan I	< 0.01
Dieldrin	< 0.02
4,4'-DDE	< 0.02
Endrin	< 0.02
Endosulfan II	< 0.02
4,4'-DDD	< 0.02
Endosulfan sulfate	< 0.02
4,4'-DDT	< 0.02
Methoxychlor	< 0.10
Endrin ketone	< 0.02
Endrin aldehyde	< 0.02
alpha-Chlordane	< 0.01
gamma-Chlordane	< 0.01
Toxaphene	< 1.0
Aroclor-1016	< 0.20
Aroclor-1221	< 0.40
Aroclor-1232	< 0.20
Aroclor-1242	< 0.20
Aroclor-1248	< 0.20
Aroclor-1254	< 0.20
Aroclor-1260	< 0.20

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Approved: *Jul. Shepherd*



**EAGLE EP PICKER**

**ENVIRONMENTAL SERVICES**

36 B.J. TUNNELL BLVD. • MIAMI, OKLAHOMA 74354-3300 • (800) 331-7425



# Certificate of Analysis

Bottle Type & QA Level: F Level 1  
Description: 250 mL. Clear W.M.

Lot No.: F3186030  
Date: 7-13-93

## SEMIVOLATILES QUALITY ASSURANCE

This Certificate verifies that this lot of bottles has been cleaned according to the EPA wash procedure set forth in the EPA Statement of Work "Specifications and Guidance for Obtaining Contaminant-Free Sample Containers" and that this lot has been tested and found to comply with or be lower than the EPA specifications as set forth in the EPA Statement of Work "Superfund Analytical Methods For Low Concentration Water For Organics Analysis 6/91", (Document # OLC02.0).

ANALYTE	CONTRACT REQUIRED QUANTITATION LIMIT (ug/L)
Phenol	< 5
bis-(2-Chloroethyl)ether	< 5
2-Chlorophenol	< 5
2-Methylphenol	< 5
2,2'-oxybis(1-Chloropropane)	< 5
4-Methylphenol	< 5
N-Nitroso-di-n-propylamine	< 5
Hexachloroethane	< 5
Nitrobenzene	< 5
Isophorone	< 5
2-Nitrophenol	< 5
2,4-Dimethylphenol	< 5
bis-(2-Chloroethoxy)methane	< 5
2,4-Dichlorophenol	< 5
1,2,4-Trichlorobenzene	< 5
Naphthalene	< 5
4-Chloroaniline	< 5
Hexachlorobutadiene	< 5
4-Chloro-3-methylphenol	< 5
2-Methylnaphthalene	< 5
Hexachlorocyclopentadiene	< 5
2,4,6-Trichlorophenol	< 5
2,4,5-Trichlorophenol	< 20
2-Chloronaphthalene	< 5
2-Nitroaniline	< 20
Dimethylphthalate	< 5
Acenaphthylene	< 5
2,6-Dinitrotoluene	< 5
3-Nitroaniline	< 20
Acenaphthene	< 5

ANALYTE	CONTRACT REQUIRED QUANTITATION LIMIT (ug/L)
2,4-Dinitrophenol	< 20
4-Nitrophenol	< 20
Dibenzofuran	< 5
2,4-Dinitrotoluene	< 5
Diethylphthalate	< 5
4-Chlorophenyl-phenylether	< 5
Fluorene	< 5
4-Nitroaniline	< 20
4,6-Dinitro-2-methylphenol	< 20
N-Nitrosodiphenylamine	< 5
4-Bromophenyl-phenylether	< 5
Hexachlorobenzene	< 5
Pentachlorophenol	< 20
Phenanthrene	< 5
Anthracene	< 5
Di-n-butylphthalate	< 5
Fluoranthene	< 5
Pyrene	< 5
Butylbenzylphthalate	< 5
3,3'-Dichlorobenzidine	< 5
Benzo(a)anthracene	< 5
Chrysene	< 5
bis-(2-Ethylhexyl)phthalate	< 5
Di-n-octylphthalate	< 5
Benzo(b)fluoranthene	< 5
Benzo(k)fluoranthene	< 5
Benzo(a)pyrene	< 5
Indeno(1,2,3-cd)pyrene	< 5
Dibenz(a,h)anthracene	< 5
Benzo(g,h,i)perylene	< 5

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Approved:

*Jul. Shepherd* 

**EAGLE  PICHER**  
**ENVIRONMENTAL SERVICES**

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# Certificate of Analysis

Bottle Type & QA Level: G Level 1  
Description: 120 mL. Clear W.M.

Lot No.: G3200050  
Date: 7-28-93

## INORGANIC QUALITY ASSURANCE

This Certificate verifies that this lot was cleaned to the recommended EPA wash procedure as set forth in the EPA Statement of Work "Specifications and Guidance For Obtaining Contaminant-Free Sample Containers", and this lot was tested and found to comply with or be lower than the EPA specifications as set forth in the EPA Statement of Work "The Superfund Analytical Method For Low Concentration Water For Inorganic Analysis 10/91", (Document # ILC02.0).

ANALYTE	CONTRACT REQUIRED DETECTION LIMIT (ug/L)
Ag (Silver)	< 10
Al (Aluminum)	< 100
As (Arsenic)	< 0.5
Ba (Barium)	< 20
Be (Beryllium)	< 0.5
Ca (Calcium)	< 500
Cd (Cadmium)	< 1
CN (Cyanide)	< 10
Co (Cobalt)	< 10
Cr (Chromium)	< 10
Cu (Copper)	< 10
F (Fluoride)	< 200
Fe (Iron)	< 100
Hg (Mercury)	< 0.2
K (Potassium)	< 100
Mg (Magnesium)	< 100
Mn (Manganese)	< 10
Na (Sodium)	< 5000
Ni (Nickel)	< 20
Pb (Lead)	< 2
Sb (Antimony)	< 5
Se (Selenium)	< 2
Tl (Thallium)	< 10
V (Vanadium)	< 10
Zn (Zinc)	< 20

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Approved:

*Jul. Shepherd*



**EAGLE EP Picher**  
**ENVIRONMENTAL SERVICES**

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# Certificate of Analysis

Bottle Type & QA Level: G Level 1  
Description: 120 mL. Clear W.M.

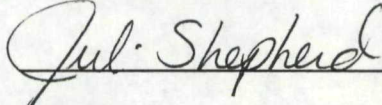
Lot No.: G3200050  
Date: 7-28-93

## PESTICIDES QUALITY ASSURANCE

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ANALYTE	CONTRACT REQUIRED QUANTITATION LIMIT (ug/L)
alpha-BHC	< 0.01
beta-BHC	< 0.01
delta-BHC	< 0.01
gamma-BHC (Lindane)	< 0.01
Heptachlor	< 0.01
Aldrin	< 0.01
Heptachlor epoxide	< 0.01
Endosulfan I	< 0.01
Dieldrin	< 0.02
4,4'-DDE	< 0.02
Endrin	< 0.02
Endosulfan II	< 0.02
4,4'-DDD	< 0.02
Endosulfan sulfate	< 0.02
4,4'-DDT	< 0.02
Methoxychlor	< 0.10
Endrin ketone	< 0.02
Endrin aldehyde	< 0.02
alpha-Chlordane	< 0.01
gamma-Chlordane	< 0.01
Toxaphene	< 1.0
Aroclor-1016	< 0.20
Aroclor-1221	< 0.40
Aroclor-1232	< 0.20
Aroclor-1242	< 0.20
Aroclor-1248	< 0.20
Aroclor-1254	< 0.20
Aroclor-1260	< 0.20

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Approved: 



**EAGLE EPICHER**  
**ENVIRONMENTAL SERVICES**

36 B.J. TUNNELL BLVD. • MIAMI, OKLAHOMA 74354-3300 • (800) 331-7425



# Certificate of Analysis

Bottle Type & QA Level: G Level 1  
Description: 120 mL. Clear W.M.

Lot No.: G3200050  
Date: 7-28-93

## SEMIVOLATILES QUALITY ASSURANCE

This Certificate verifies that this lot of bottles has been cleaned according to the EPA wash procedure set forth in the EPA Statement of Work "Specifications and Guidance for Obtaining Contaminant-Free Sample Containers" and that this lot has been tested and found to comply with or be lower than the EPA specifications as set forth in the EPA Statement of Work "Superfund Analytical Methods For Low Concentration Water For Organics Analysis 6/91", (Document # OLC02.0).

ANALYTE	CONTRACT REQUIRED QUANTITATION LIMIT (ug/L)
Phenol	< 5
bis-(2-Chloroethyl)ether	< 5
2-Chlorophenol	< 5
2-Methylphenol	< 5
2,2'-oxybis(1-Chloropropane)	< 5
4-Methylphenol	< 5
N-Nitroso-di-n-propylamine	< 5
Hexachloroethane	< 5
Nitrobenzene	< 5
Isophorone	< 5
2-Nitrophenol	< 5
2,4-Dimethylphenol	< 5
bis-(2-Chloroethoxy)methane	< 5
2,4-Dichlorophenol	< 5
1,2,4-Trichlorobenzene	< 5
Naphthalene	< 5
4-Chloroaniline	< 5
Hexachlorobutadiene	< 5
4-Chloro-3-methylphenol	< 5
2-Methylnaphthalene	< 5
Hexachlorocyclopentadiene	< 5
2,4,6-Trichlorophenol	< 5
2,4,5-Trichlorophenol	< 20
2-Chloronaphthalene	< 5
2-Nitroaniline	< 20
Dimethylphthalate	< 5
Acenaphthylene	< 5
2,6-Dinitrotoluene	< 5
3-Nitroaniline	< 20
Acenaphthene	< 5

ANALYTE	CONTRACT REQUIRED QUANTITATION LIMIT (ug/L)
2,4-Dinitrophenol	< 20
4-Nitrophenol	< 20
Dibenzofuran	< 5
2,4-Dinitrotoluene	< 5
Diethylphthalate	< 5
4-Chlorophenyl-phenylether	< 5
Fluorene	< 5
4-Nitroaniline	< 20
4,6-Dinitro-2-methylphenol	< 20
N-Nitrosodiphenylamine	< 5
4-Bromophenyl-phenylether	< 5
Hexachlorobenzene	< 5
Pentachlorophenol	< 20
Phenanthrene	< 5
Anthracene	< 5
Di-n-butylphthalate	< 5
Fluoranthene	< 5
Pyrene	< 5
Butylbenzylphthalate	< 5
3,3'-Dichlorobenzidine	< 5
Benzo(a)anthracene	< 5
Chrysene	< 5
bis-(2-Ethylhexyl)phthalate	< 5
Di-n-octylphthalate	< 5
Benzo(b)fluoranthene	< 5
Benzo(k)fluoranthene	< 5
Benzo(a)pyrene	< 5
Indeno(1,2,3-cd)pyrene	< 5
Dibenz(a,h)anthracene	< 5
Benzo(g,h,i)perylene	< 5

IF EPES CAN BE OF ANY FURTHER ASSISTANCE, PLEASE CALL (800) 331-7425 AND ASK FOR OUR TECHNICAL SERVICE DEPARTMENT.

Approved:

*Jul. Shepherd*



**EAGLE EP PICHER**

**ENVIRONMENTAL SERVICES**

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